Directed®

SMART**START**™

Quick Reference Install Guide

VSM200/250, DSM200/250

Installation Procedure

This product is compatible with most Directed Electronics Security, Remote Start and hybrid systems that are ESP2 compatible (3 or 4-pin). Non-compatible systems include 3001L and older AM1/AM5 models.

Please read the following before proceeding

1. Customer Information required:
   - Record the customer information requested in step 4a of this procedure. The module ID # is provided on a sticker which can be affixed to the space provided in step 4a.

   This information is required for final verification/activation of the VSM200/250 or DSM200/250.

2. Installation Points:
   - Install and test the security/remote start system first using the associated guides and wiring diagram. If using an existing system, verify it is fully functional before installing the Directed SmartStart module.
   - For 3000-series or standalone SmartStart systems with no remote control, test the installed system via the SmartStart activation portal.
   - Mount the SmartStart module as high as possible in the vehicle (the engraved side faces up for GPS devices). Mount with minimal obstructions that can affect communications and within reach of the main Directed system using the provided cables (do not extend).

The module's signal strength (RSSI) can be viewed in the activation portal after a successful transmission test.

-50 to -90 dB = good signal strength
-91 to -100 dB = borderline/inconsistent signal strength
> -100 dB = weak, insufficient signal strength

- DO NOT connect the SmartStart module until the final programming of the Remote Start main unit and verification of security/remote start system operations are completed.

⚠ CAUTIONS

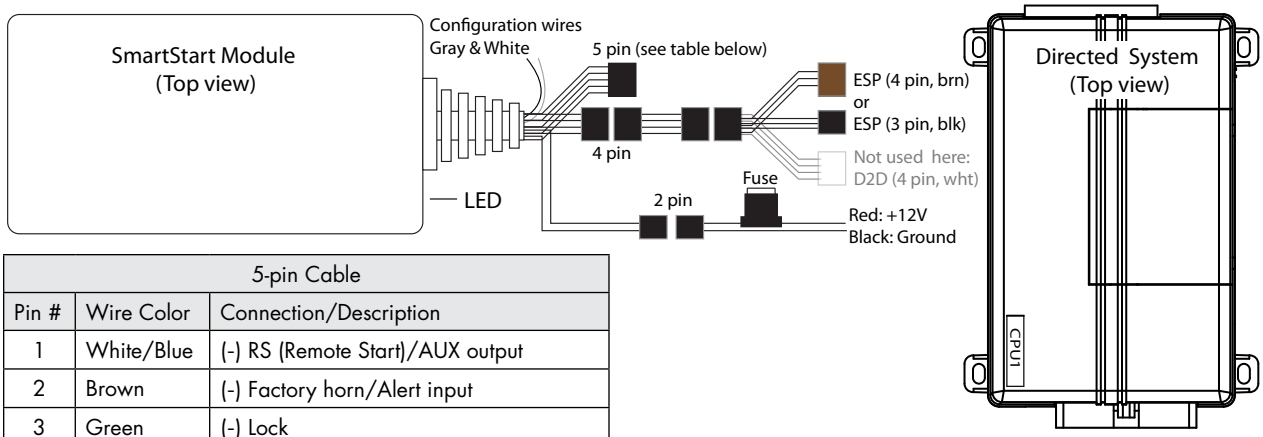
The white plug is **ONLY** for RSR (Remote Start Ready) and RXT applications using certain Xpresskit interfaces (go to www.xpresskit.com for details on supported devices & vehicles).

For systems with combined 4-pin ESP/D2D ports, you **CANNOT** use an interface module in D2D mode when using a SmartStart module. You must use W2W on the bypass module.

DO NOT connect the black 3-pin ESP connector to white Door Lock port on Directed systems.

There should **NEVER** be more than one data plug connected from the 3-way harness.

Wiring Schematic



5-pin Cable		
Pin #	Wire Color	Connection/Description
1	White/Blue	(-) RS (Remote Start)/AUX output
2	Brown	(-) Factory horn/Alert input
3	Green	(-) Lock
4	Blue	(-) Unlock
5	Red/White	(-) Trunk/AUX output

Note: The analog output wires are only active if the device has been configured for Analog Wire mode in the installation portal.

NOTE: The appearance and connector/port arrangement on the Directed/Avital/Xpresskit system may differ to the examples shown .

3. Install the VSM200/250 or DSM200/250 using the information in the wiring diagram and steps (Note CAUTIONS during installation).
   a. Configuration Wires: Connect the loose gray or white configuration wire(s) to match the desired application (see table below).

MODE	GRAY WIRE	WHITE WIRE
ESP2	Open	Open
D2D, RSR/RXT	GND	Open
Autostart/AstroStart	Open	GND

   b. Connect the serial data cable and adapter to the correct port of the main module. For D2D RSR/RXT applications, connect the serial data cable and adapter to Xpresskit module.
   c. Complete the main power connections.
   d. When power is connected, the module begins an initialization procedure that may take several minutes. During this procedure, progress is reported via the flashing Amber/Green LEDs next to the module cable. When both LEDs turn on solid, the initialization procedure is completed (See *Status LEDs* for a description of the various LED states).

4. Verify and Activate the SmartStart module:
   The following steps need to be performed for the Verification/Activation of the Directed SmartStart module.

   a. Collect Customer Information:

Customer's Full Name:

Customer's E-mail Address:

Customer's mobile phone # and phone carrier

Record/place Module ID # here:

New Account: ☐ Existing Account: ☐

If this is an existing account, are you:

adding a new system: ☐

or replacing an existing one: ☐

   b. Log on to: www.directechs.com, and click on the SmartStart link.
   c. Follow the on-screen directions to activate and test a SmartStart device. If this is the customer's first SmartStart system, you will be prompted to enter their information as collected in step 4a.
   d. Set configuration for commands to match the installed application.
   e. Test the SmartStart system from the website using the supplied function links.
   f. The customer is sent log-in information via e-mail. After logging into the site at www.mysmartstart.com, they must select and pay for the service plan in order to start using the system.

Status LEDs

Amber LED states:

- Off: No cellular communication. Check connections such as module harness.
- Flashing slowly: The module is seeking cellular system communication.
  If no cell coverage is available the Amber LED continues to flash slowly, move the vehicle to a location with better reception.
- Flashing quickly: The module is negotiating with a cellular system.
- On solid: Communication successfully established.

Green LED states:

- Off: Communication not established with the remote start main unit or no serial device is connected.
  Check connection at the Bitwriter port, once connected properly the LED turns on after resetting the power to the SmartStart module.
- On solid: Communication successfully established with the remote start main unit.

Please return this guide and point the customer to steps 4a and 4f after successfully completing the installation as it contains details required for account setup.

Notes: SmartStart response time can vary depending on cellular coverage and network congestion.
Operating temperature range: -30°C to + 70°C.

Additional information can be found at: www.directechs.com

Directed ELECTRONICS

© 2011 Directed Electronics. All rights reserved.

Directed SMARTSTART

Quick Reference User's Guide

DSM200, 3000/5000-series

Congratulations on the purchase of your state-of-the-art Directed SmartStart system. Reading this user's guide prior to using your system will get you off to a quick and smooth start.

Start Here

Before you can start using your system, the following steps must be performed:

1. Download the free SmartStart application to your smartphone from the iTunes App Store, BlackBerry App World or Android Market site depending on which brand you own. Links to download BlackBerry and Android apps are also available at www.directed.com/SmartStart

2. Have the SmartStart system installed by your authorized Directed dealer. Once installed and activated by the installer, you will receive an e-mail prompting you to activate your account. Your installer can also provide you with information about your system.

3. After you activate your account, enter your username and password on the Settings tab of the handset app to activate your SmartStart app.

4. Once you have completed the log-in process on your smartphone, you can begin using your app to control your vehicle(s). From the Car screen, select the vehicle you wish to send commands to.

Commands at a Glance

System Commands		Description
	Lock	Select this icon to lock the vehicle. When a confirmation message is received, select it to clear.
	Unlock	Select this icon to unlock the vehicle. When a confirmation message is received, select it to clear.
	Smart Start	Select this icon to remote start* your vehicle. When a confirmation message is received, select it to clear. The vehicle remote starts and stays running for the programmed run time*. Select this icon again to turn off the engine during the run time.
	Trunk	Select this icon to open trunk. A dialog box will open, asking you to confirm you want to open the trunk. Select "Yes" to confirm, or "No" to cancel the request. If you selected "Yes", select again to clear the confirmation message when it pops up.
	Panic	Select this icon to activate panic mode for 30 seconds. Select again during this time to turn off. This feature is used to attract attention if in a threatened position.

* See your Remote Start system user's guide or installer for important information about starting a manual transmission vehicle and how long the engine will run when remote started.

Your vehicle responds exactly the same, with audible and visual confirmations, for both Smartstart and remote control commands.

Menu Bar and Screens

Menu Bar		Description
	Home	This screen is the default screen for direct access to all your remote commands. Select any command on the Home screen to perform it.
	Alerts	This screen provides notifications from the system. These notifications are indicated by a red circle above the Alerts icon which also indicates the number of uncleared notifications received. These notifications can be in the form of alarms, communication issues or updates to your service plan. The available Alerts may vary depending on the type of system installed in your vehicle. Note: Alerts may not be functional, depending on your app version or installed system.
	Cars	This screen allows you to control multiple vehicles if you have a security/remote start system installed in more than one vehicle.
	Settings	From this screen you can control your SmartStart login.

Screens

Home Screen

Alerts Screen

Cars Screen

Settings Screen

Please visit www.directed.com/SmartStart for the latest updates and information about your SmartStart system.

Note:	The amount of time it takes for your vehicle to respond to a command can be affected by cellular coverage or network congestion.

Note:	Your SmartStart module automatically checks for updates once every 24 hours. During updates, system operation is disrupted for approximately one minute.

Directed® ELECTRONICS

© 2010 Directed Electronics. All rights reserved.

LIMITED ONE YEAR CONSUMER WARRANTY:

For a period of ONE YEAR from the date of purchase of a Directed Electronics SmartStart remote start product, Directed Electronics ("DIRECTED") promises to the original purchaser, to repair or replace with a comparable reconditioned piece, the SmartStart remote start module (hereinafter the "Part"), which proves to be defective in workmanship or material under normal use, provided the following conditions are met: the Part was purchased from an authorized DIRECTED dealer; and the Part is returned to DIRECTED, postage prepaid, along with a clear, legible copy of the receipt or bill of sale bearing the following information: consumer's name, address, telephone number, the authorized licensed dealer's name and complete product and Part description.

This warranty is nontransferable and is automatically void if the Part has been modified or used in a manner contrary to its intended purpose or the Part has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defect in materials or construction.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, EXCEPT AS STATED ABOVE, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NONINFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED HEREBY DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING DEALERS OR INSTALLERS. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED OR ITS SUBSIDIARY, THE PROPER VENUE SHALL BE SAN DIEGO COUNTY IN THE STATE OF CALIFORNIA. CALIFORNIA STATE LAWS AND APPLICABLE FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED DEALER'S PURCHASE PRICE OF THE PART. DIRECTED SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR AT DIRECTED'S OPTION THE PART AS DESCRIBED ABOVE.

Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights and you may also have other rights that vary from State to State. DIRECTED does not and has not authorized any person or entity to create for it any other obligation, promise, duty or obligation in connection with this Part.

⚠ Warning! Safety first

The following safety warnings must be observed at all times:
Due to the complexity of this system, installation of this product must only be performed by an authorized Directed dealer.

When properly installed, this system can start the vehicle via a command signal from the remote control transmitter. Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using the installed toggle switch. It is the user's sole responsibility to properly handle and keep out of reach from children all remote control transmitters to assure that the system does not unintentionally remote start the vehicle. WE RECOMMEND THE USER INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST AT ALL TIMES REMAIN CLOSED. These precautions are the sole responsibility of the user.

Remote starters on manual transmission vehicles operate differently than those with automatic transmission because you must leave your car in neutral. You must read this Owner's Guide to familiarize yourself with the proper procedures regarding manual transmission remote starters. If you have any questions, ask your installer or contact Directed at 1-800-753-0600.
Before remote starting a manual transmission vehicle, please note and follow these instructions:

- Leave the vehicle in neutral and be sure no one is standing in front or behind the vehicle.
- WARNING! Only remote start on a flat surface
- Have the parking brake fully engaged

WARNING! It is the responsibility of the owner to ensure the parking/emergency brake properly functions. Failure to do so can result in personal injury or property damage. We recommend the owner have the parking/emergency brake system inspected and adjusted by a qualified automotive shop biannually.

Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death. (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the keys in the ignition. The user must also have the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in gear. This testing should be performed by an authorized Directed dealer in accordance with the Safety Check outlined in the product installation guide. If the vehicle starts in gear, cease remote start operation immediately and consult with the authorized Directed dealer to fix the problem.

After the remote start module has been installed, contact your authorized dealer to have him or her test the remote start module by performing the Safety Check outlined in the product installation guide. If the vehicle starts when performing the Neutral Safety Shutdown Circuit test, the remote start unit has not been properly installed. The remote start module must be removed or the installer must properly reinstall the remote start system so that the vehicle does not start in gear. All installations must be performed by an authorized Directed dealer.

OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY. YOU MUST IMMEDIATELY CEASE THE USE OF THE UNIT AND SEEK THE ASSISTANCE OF AN AUTHORIZED DIRECTED DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. DIRECTED WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.

This product is designed for fuel injected vehicles only. Use of this product in a standard transmission vehicle must be in strict accordance with this guide.

This product should not be installed in any convertible vehicles, soft, or hard top with a manual transmission. Installation in such vehicles may pose certain risk.

© 2009 Directed Electronics. All rights reserved.